



STUDENT WORKBOOK

Fireline Fuel Safety

Overview:

This module is intended to aid firefighters in identifying vapor lock, pressurized fuel tanks and provide recommendations to mitigate fuel spray accidents and burn injuries.

Activity Instructions:

Watch the Fireline Fuel Safety video on the WFSTAR site. Discuss in small groups or as a class the questions below. If done in groups, share with the class.

Activity

There have been several documented cases of pressurized fuel tank and vapor lock incidents. Some of these cases resulted in the sawyer being seriously burned from the vaporized fuel spraying and igniting.

- What causes vapor pressure to build in fuel tanks?
- What is vapor lock?
- What are the signs of vapor lock?

You are a sawyer on an Interagency Type 2IA Regs Crew. It is the first fire of the year for everyone on the crew. The fire is located in a high desert fuel type in southern Arizona. It is over 100 degrees outside. You filled your saw less than ten minutes ago and it is now starting to bog out as though it is out of fuel. You have been cutting burning juniper and suspect the saw may be vapor locking.

- When vapor lock is suspected, what should you do? What should you *not* do?
- What are the most important things to remember when opening a fuel tank that may be under the influence of vapor pressure or vapor lock?

Please submit feedback for the 2016 Fire Refresher using this QR code or the following link:

<https://goo.gl/iodnlr>

